

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371ATTORNEY'S DOCKET  
NUMBER:

038665.55794US

U.S. APPLICATION NO. (if known, see 37  
CFR 1.5)

10/1521747

PRIORITY DATE CLAIMED  
21 November 2003 (21.11.2003)INTERNATIONAL APPLICATION NO.  
PCT/GB2004/004905INTERNATIONAL FILING DATE  
19 November 2004 (19.11.2004)

## TITLE OF INVENTION

ENHANCING SIGNALS

## APPLICANT(S) FOR DO/EO/US

Michael Richard RICHARDSON

Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- The US has been elected (Article 31).
- A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - is transmitted herewith (required only if not transmitted by the International Bureau).
  - has been transmitted by the International Bureau
  - is not required, as the application was filed in the United States Receiving Office (RO/US)
- An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - is attached herewith.
  - has been previously submitted under 35 USC 154(d)(4).
- Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - are transmitted herewith (required only if not transmitted by the International Bureau).
  - have been transmitted by the International Bureau.
  - have not been made; however, the time limit for making such amendments has NOT expired.
  - have not been made and will not be made.
- An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))
- An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Item 11. to 20. below concern other document(s) or information included: —

- An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- A preliminary amendment.
- An Application Data Sheet under 37 CFR 1.76.
- A substitute specification.
- A power of attorney and/or change of address letter.
- A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
- A second copy of the published international application under 35 USC 154(d)(4).
- A second copy of the English language translation of the international application under 35 USC 154(d)(4)
- Other items or information:
  - THREE (3) Sheets of drawings showing Figures 1-3

|  |              |  |   |               |    |          |    |         |    |
|--|--------------|--|---|---------------|----|----------|----|---------|----|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/521747</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/GB2004/004905                                 | ATTORNEY'S DOCKET NUMBER<br><b>038665.55794US</b> |               |    |          |    |         |    |
| 21. The following fees are submitted:  |              | CALCULATIONS PTO USE ONLY  |   |               |    |          |    |         |    |
| <input checked="" type="checkbox"/> a) Basic national fee.....<br><input checked="" type="checkbox"/> b) Examination fee.....<br><input checked="" type="checkbox"/> c) Search fee.....<br>  |              | \$300.00<br>\$200.00<br>\$500.00<br><b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b> |   |               |    |          |    |         |    |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |  |   |               |    |          |    |         |    |
| Total Sheets   | Extra sheets | Number of each add'l 50 or fraction thereof (round up to a whole number)           | RATE  |               |    |          |    |         |    |
| 9 - 100 =  | /50 =        |  | x \$250.00  |               |    |          |    |         |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |  |   |               |    |          |    |         |    |
| Claims   | Number Filed | Number Extra   | Rate  |               |    |          |    |         |    |
| Total Claims   | 6 - 20 =     | 15   | X \$50.00   |               |    |          |    |         |    |
| Independent Claims   | 1 - 3 =      | 0  | X \$200.00  |               |    |          |    |         |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360.00   |              |  |   |               |    |          |    |         |    |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1,000.00</b>  |              |  |   |               |    |          |    |         |    |
| <input type="checkbox"/> Applicant claims Small Entity Status. See 37 CFR 1.27. The fees indicated above are reduced by ½.   |              |  |   |               |    |          |    |         |    |
| <b>SUBTOTAL = \$1,000.00</b>   |              |  |   |               |    |          |    |         |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |   |               |    |          |    |         |    |
| <b>TOTAL NATIONAL FEE = \$1,000.00</b>   |              |  |   |               |    |          |    |         |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +  |              |  |   |               |    |          |    |         |    |
| <b>TOTAL FEE ENCLOSED = \$1,040.00</b>   |              |  |   |               |    |          |    |         |    |
| <table border="1"> <tr> <td>Amount to be:</td> <td>\$</td> </tr> <tr> <td>refunded</td> <td>\$</td> </tr> <tr> <td>Charged</td> <td>\$</td> </tr> </table>   |              |  |   | Amount to be: | \$ | refunded | \$ | Charged | \$ |
| Amount to be:  | \$           |  |   |               |    |          |    |         |    |
| refunded   | \$           |  |   |               |    |          |    |         |    |
| Charged  | \$           |  |   |               |    |          |    |         |    |
| a. <input checked="" type="checkbox"/> A check in the amount of <b>\$ 1,040.00</b> for the filing fee and for the assignment recording fee is enclosed   |              |  |   |               |    |          |    |         |    |
| b. <input type="checkbox"/> Please charge my Deposit Account No. <b>05-1323</b> (Attorney Docket No. <b>—</b> ) in the amount of <b>\$</b> to cover the above fees. A duplicate copy of this sheet is enclosed.  |              |  |   |               |    |          |    |         |    |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. <b>05-1323</b> (ATTORNEY DOCKET NO. <b>038665.55794US</b> .) A duplicate copy of this sheet is enclosed. |              |  |   |               |    |          |    |         |    |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  |              |  |   |               |    |          |    |         |    |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  |              |  |   |               |    |          |    |         |    |
| SEND ALL CORRESPONDENCE TO:<br><u>Gary R. Edwards</u><br><b>Crowell &amp; Moring, LLP</b><br><b>Intellectual Property Group</b><br><b>P.O. Box 14300</b><br><b>Washington, D.C. 20044-4300</b><br><b>Tel. No. (202) 624-2500</b><br><b>Fax No. (202) 628-8844</b><br><b>GRE:kms 356330v1</b> |              |  |   |               |    |          |    |         |    |
| SIGNATURE<br><b>Gary R. Edwards</b><br>NAME<br><b>31,824</b><br>REGISTRATION NUMBER<br><b>January 19, 2005</b><br>DATE   |              |  |   |               |    |          |    |         |    |